



Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Transport of Dangerous Goods

Sixty-fifth session

Geneva, 25 November-3 December 2024

Item 5 (c) of the provisional agenda

Transport of gases:

Miscellaneous

Updated ISO standards in Class 2

Transmitted by the International Organisation for Standardisation
(ISO)*

I. Introduction

1. This proposal concerns one amended standard.

The title of the standards is:

ISO 18119:2018/Amd 2:2024, Gas cylinders — Seamless steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing — Amendment 2.

2. The usual arrangement has been made with the secretariat to circulate a watermarked PDF copy of this documents to the experts.

II. Proposal

3. In 6.2.1.6.1 (d) note 3, amend as follows (new text is underlined):

“NOTE 3: The check of internal conditions of 6.2.1.6.1 (b) and the hydraulic pressure test of 6.2.1.6.1 (d) may be replaced by ultrasonic examination carried out in accordance with ISO 18119:2018 + Amd 1:2021 + Amd 2: 2024 for seamless steel and seamless aluminium alloy cylinder shells. For a transitional period until 31 December 2026 the standard ISO 18119:2018 may be used for this same purpose. For a transitional period until 31 December 2024 the standard ISO 10461:2005 + A1:2006 may be used for seamless aluminium alloy cylinder shells and ISO 6406:2005 may be used for seamless steel cylinder shells for this same purpose.”

* A/78/6 (Sect. 20), table 20.5.



4. In the table in 6.2.2.2 add the following new row beneath the row starting ISO 18119:2018 + Amd 1:2021 :

ISO 18119:2018 +Amd 2:2024	Gas cylinders – Seamless steel and seamless aluminium-alloy gas cylinders and tubes — Periodic inspection and testing	Until further notice
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III. Justification

5. The amendment to the standard has been made to clarify the requirements for inspection using ultrasonic testing (UT) equipment. Subclause 14.4.2.5 has been amended to read as follows:

“The UT equipment shall be operated, and its operation supervised, by competent personnel meeting the requirements of ISO 9712 or ASNT SNT-TC-1A, or any other national standard accepted by the competent authority. The operator shall meet the requirements for Level I and shall be supervised by a Level II person.

The testing organization shall retain a Level III operator (company employee or a third party) to oversee the entire UT programme.”

6. In addition, a minor change has been made to the name of a Normative Reference and a new reference has been added.
7. ISO P-Members voting result: 20 in favour out of 20 (no negative votes were received).
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